



Features and Benefits

- Increases ambient particle count
- Portable
- Fast operation
- Safer alternative to a candle
- Meets minimum levels necessary for fit testing

Particle Generator

Model 8026

TSI is the leader in quantitative respirator fit testing. The PORTACOUNT® PRO and PRO+ Respirator Fit Testers provide the most advanced, easy to use, and reliable fit test method on the market today. TSI offers an accessory for enhancing ambient particle counts. The Model 8026 Particle Generator is a unique instrument that supplements the ambient particle count, allowing the PORTACOUNT PRO+ Respirator Fit Tester to be operated in areas where the normal particle count is not sufficient.

Some locations do not have a sufficient concentration of microscopic ambient particles to accommodate fit testing with a PORTACOUNT PRO+ Respirator Fit Tester. This condition can be caused by high-efficiency filters in the ventilation system, unusual environmental conditions or other factors. Generating particles with a candle can solve the problem, but many organizations do not permit an open flame on the premises. The Particle Generator produces an invisible aerosol of non-toxic salt particles in the proper size range needed for the fit test. The Particle Generator works by atomizing an aqueous solution of salt into minute droplets and then launching them into the air. The water in the droplets evaporates almost instantly, but the dissolved salt does not.



Specifications

Model 8026

Size

10 in. x 4 in. x 5.25 in. (25.4 cm x 10.1 cm x 13.3 cm)

Weight

2.75 lb. (1.25 kg)

Operating Voltage

115 or 230 VAC (specify when ordering)

Warranty

Two year on parts and labor

Generated Particle Statistics

Geometric Standard Deviation (GSD)

2.2 (nominal)

Count Median Diameter (CMD)

0.04 micrometers (nominal)

Features and specifications subject to change without notice.

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The result is an aerosol of microscopic salt particles. Simply fill the Particle Generator's reservoir with clean tap water and let one of the supplied salt tablets (NaCl) dissolve. Turn the instrument on, and within about 15 minutes the ambient particle count will exceed the minimum levels necessary for your PortaCount Pro+ Respirator Fit Tester to operate, assuming an average size room. Run the Particle Generator continuously while fit testing to maintain a stable particle concentration. One filling lasts all day.

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